(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



. 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980 - 1980

(43) International Publication Date 4 August 2005 (04.08.2005)

PCT

(10) International Publication Number WO 2005/071289 A1

- (51) International Patent Classification7:
- F16H 13/08
- (21) International Application Number:
 - PCT/DK2005/000040
- (22) International Filing Date: 21 January 2005 (21.01.2005)
- (25) Filing Language:

Danish

(26) Publication Language:

English

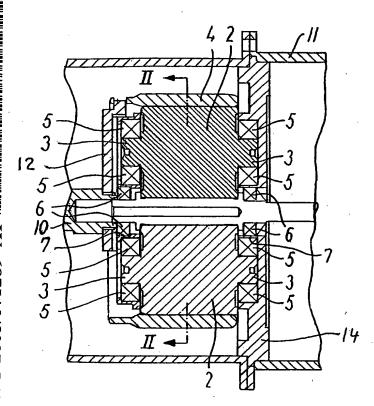
(30) Priority Data:

- PA 2004 00081 22 January 2004 (22.01.2004) DI
- (71) Applicant (for all designated States except US): ROTREX A/S [DK/DK]; Herlev Hovedgade 17, DK-2730 Herlev (DK).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): KOLSTRUP, Anders, Peter [DK/DK]; Skelmosevej 6, DK-2500 Valby (DK).

- (74) Agent: LARSEN & BIRKEHOLM A/S; Skandinavisk Patentbureau, Banegårdspaldsen 1, P.O. Box 362, DK-1570 Copenhagen V (DK).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: A PLANETARY GEAR



(57) Abstract: When, according to the invention, a one-stage planetary gear is constructed with radially resilient planet wheels and sun shaft (1), and where the centre axes are parallel with the sun axis and positioned closer to it than the axes of the planet wheels (2), a good engagement between the contact-bearing surfaces and thereby a high degree of moment transfer are achieved. It is moreover ensured that the gear can operate at en extremely high number of revolutions.

WO 2005/071289 A1

WO 2005/071289 A1



FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

with international search report